

Serial Number: 09/687,483A

CRF Processing Date: 5/24/2001

Edited by: [Signature]

Verified by: [Signature]

(STIC staff)

**ENTERED**

1631  
 5/24/2001  
 #16

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: \_\_\_\_\_
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: \_\_\_\_\_
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: \_\_\_\_\_
- ☒ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: 21
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: \_\_\_\_\_
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: \_\_\_\_\_
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_
- ☐ Inserted mandatory headings, specifically: \_\_\_\_\_
- ☐ Corrected an obvious error in the response, specifically: \_\_\_\_\_
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa
- ☐ Corrected an error in the Number of Sequences field, specifically: \_\_\_\_\_
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

TECH CENTER 1600/2900

JUN 26 2001

RECEIVED

\*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

## RAW SEQUENCE LISTING

DATE: 06/06/2001

PATENT APPLICATION: US/09/687,483A

TIME: 11:09:02

Input Set : A:\Pto.amc

Output Set: C:\CRF3\06062001\I687483A.raw

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3 <110> APPLICANT: Braun et al.
5 <120> TITLE OF INVENTION: METHODS FOR GENERATING DATABASES AND DATABASES FOR
IDENTIFYING
6 POLYMORPHIC GENETIC MARKERS
9 <130> FILE REFERENCE: 24736-2033
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/687,483A
12 <141> CURRENT FILING DATE: 2000-10-13
14 <150> PRIOR APPLICATION NUMBER: 60/217,658
15 <151> PRIOR FILING DATE: 2000-07-10
17 <150> PRIOR APPLICATION NUMBER: 60/159,176
18 <151> PRIOR FILING DATE: 1999-10-13
20 <150> PRIOR APPLICATION NUMBER: 60/217,251
21 <151> PRIOR FILING DATE: 2000-07-10
23 <150> PRIOR APPLICATION NUMBER: 09/663,968
24 <151> PRIOR FILING DATE: 2000-09-19
26 <160> NUMBER OF SEQ ID NOS: 118
28 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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31 <211> LENGTH: 361
32 <212> TYPE: DNA
33 <213> ORGANISM: Homo Sapien
35 <400> SEQUENCE: 1
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37 agcaatggat gatttgatgc tgtccccgga cgatattgaa caatggttca ctgaagaccc 120
38 aggtccagat gaagctccca gaatgccaga ggctgctccc cgcgtggccc ctgcaccagc 180
39 agctcctaca ccggcgggccc ctgcaccagc cccctcctgg cccctgtcat cttctgtccc 240
40 ttccagaaaa acctaccagg gcagctacgg ttcccgctctg ggcttcttgc attctgggac 300
41 agccaagtct gtgacttgca cggtcagttg ccctgagggg ctggcttcca tgagacttca 360
42 a 361
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45 <211> LENGTH: 44
46 <212> TYPE: DNA
47 <213> ORGANISM: Artificial Sequence
49 <220> FEATURE:
50 <223> OTHER INFORMATION: Oligonucleotide Primer
52 <400> SEQUENCE: 2
53 ccagtcacg acgttgtaaa acgctgagga cctggctctc tgac 44
55 <210> SEQ ID NO: 3
56 <211> LENGTH: 42
57 <212> TYPE: DNA
58 <213> ORGANISM: Artificial Sequence
60 <220> FEATURE:
61 <223> OTHER INFORMATION: Oligonucleotide Primer
63 <400> SEQUENCE: 3
64 agcggataac aatttcacac aggttgaagt ctcatggaag cc 42
66 <210> SEQ ID NO: 4
67 <211> LENGTH: 17
68 <212> TYPE: DNA

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DATE: 06/06/2001

PATENT APPLICATION: US/09/687,483A

TIME: 11:09:02

Input Set : A:\Pto.amc

Output Set: C:\CRF3\06062001\I687483A.raw

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69 <213> ORGANISM: Artificial Sequence
71 <220> FEATURE:
72 <223> OTHER INFORMATION: Probe
74 <400> SEQUENCE: 4
75 gccagaggct gctcccc 17
77 <210> SEQ ID NO: 5
78 <211> LENGTH: 17
79 <212> TYPE: DNA
80 <213> ORGANISM: Artificial Sequence
82 <220> FEATURE:
83 <223> OTHER INFORMATION: Probe
85 <400> SEQUENCE: 5
86 gccagaggct gctcccc 17
88 <210> SEQ ID NO: 6
89 <211> LENGTH: 19
90 <212> TYPE: DNA
91 <213> ORGANISM: Artificial Sequence
93 <220> FEATURE:
94 <223> OTHER INFORMATION: Probe
96 <400> SEQUENCE: 6
97 gccagaggct gctccccgc 19
99 <210> SEQ ID NO: 7
100 <211> LENGTH: 18
101 <212> TYPE: DNA
102 <213> ORGANISM: Artificial Sequence
104 <220> FEATURE:
105 <223> OTHER INFORMATION: Probe
107 <400> SEQUENCE: 7
108 gccagaggct gctcccc 18
110 <210> SEQ ID NO: 8
111 <211> LENGTH: 161
112 <212> TYPE: DNA
113 <213> ORGANISM: Homo Sapien
115 <400> SEQUENCE: 8
116 gtccgctcaga acccatgcgg cagcaaggcc tgccgccgcc tcttcggccc agtggacagc 60
117 gagcagctga gccgcgactg tgatgcgcta atggcgggct gcatccagga ggcccgtgag 120
118 cgatggaact tcgactttgt caccgagaca ccaactggagg g 161
120 <210> SEQ ID NO: 9
121 <211> LENGTH: 43
122 <212> TYPE: DNA
123 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: Oligonucleotide Primer
128 <400> SEQUENCE: 9
129 ccagtcacg acgttgtaaa acggtccgtc agaacccatg cgg 43
131 <210> SEQ ID NO: 10
132 <211> LENGTH: 44
133 <212> TYPE: DNA
134 <213> ORGANISM: Artificial Sequence

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## RAW SEQUENCE LISTING

DATE: 06/06/2001

PATENT APPLICATION: US/09/687,483A

TIME: 11:09:02

Input Set : A:\Pto.amc

Output Set: C:\CRF3\06062001\I687483A.raw

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136 <220> FEATURE:
137 <223> OTHER INFORMATION: Oligonucleotide Primer
139 <400> SEQUENCE: 10
140 agcggataac aatttcacac aggctccagt ggtgtctcgg tgac 44
142 <210> SEQ ID NO: 11
143 <211> LENGTH: 15
144 <212> TYPE: DNA
145 <213> ORGANISM: Artificial Sequence
147 <220> FEATURE:
148 <223> OTHER INFORMATION: Oligonucleotide Primer
150 <400> SEQUENCE: 11
151 cagcgagcag ctgag 15
153 <210> SEQ ID NO: 12
154 <211> LENGTH: 15
155 <212> TYPE: DNA
156 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
159 <223> OTHER INFORMATION: Probe
161 <400> SEQUENCE: 12
162 cagcgagcag ctgag 15
164 <210> SEQ ID NO: 13
165 <211> LENGTH: 16
166 <212> TYPE: DNA
167 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
170 <223> OTHER INFORMATION: Probe
172 <400> SEQUENCE: 13
173 cagcgagcag ctgagc 16
175 <210> SEQ ID NO: 14
176 <211> LENGTH: 17
177 <212> TYPE: DNA
178 <213> ORGANISM: Artificial Sequence
180 <220> FEATURE:
181 <223> OTHER INFORMATION: Probe
183 <400> SEQUENCE: 14
184 cagcgagcag ctgagac 17
186 <210> SEQ ID NO: 15
187 <211> LENGTH: 205
188 <212> TYPE: DNA
189 <213> ORGANISM: Homo Sapien
191 <400> SEQUENCE: 15
192 gcgctccatt catctcttca tcgactctct gttgaatgaa gaaaatccaa gtaaggccta 60
193 caggtgcagt tccaaggaag cctttgagaa agggctctgc ttgagttgta gaaagaaccg 120
194 ctgcaacaat ctgggctatg agatcaataa agtcagagacc aaaagaagca gcaaaatgta 180
195 cctgaagact cggtctcaga tgccc 205
197 <210> SEQ ID NO: 16
198 <211> LENGTH: 42
199 <212> TYPE: DNA
200 <213> ORGANISM: Artificial Sequence

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## RAW SEQUENCE LISTING

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PATENT APPLICATION: US/09/687,483A

TIME: 11:09:02

Input Set : A:\Pto.amc

Output Set: C:\CRF3\06062001\I687483A.raw

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202 <220> FEATURE:
203 <223> OTHER INFORMATION: Oligonucleotide Primers
205 <400> SEQUENCE: 16
206 cccagtcacg acgttgtaaa acggcgctcc attcatctct tc      42
208 <210> SEQ ID NO: 17
209 <211> LENGTH: 42
210 <212> TYPE: DNA
211 <213> ORGANISM: Artificial Sequence
213 <220> FEATURE:
214 <223> OTHER INFORMATION: Oligonucleotide Primer
216 <400> SEQUENCE: 17
217 agcggataac aatttcacac agggggcatc tgagaacgag tc      42
219 <210> SEQ ID NO: 18
220 <211> LENGTH: 20
221 <212> TYPE: DNA
222 <213> ORGANISM: Artificial Sequence
224 <220> FEATURE:
225 <223> OTHER INFORMATION: Oligonucleotide Primer
227 <400> SEQUENCE: 18
228 caatctgggc tatgagatca      20
230 <210> SEQ ID NO: 19
231 <211> LENGTH: 20
232 <212> TYPE: DNA
233 <213> ORGANISM: Artificial Sequence
235 <220> FEATURE:
236 <223> OTHER INFORMATION: Probe
238 <400> SEQUENCE: 19
239 caatctgggc tatgagatca      20
241 <210> SEQ ID NO: 20
242 <211> LENGTH: 21
243 <212> TYPE: DNA
244 <213> ORGANISM: Artificial Sequence
246 <220> FEATURE:
247 <223> OTHER INFORMATION: Probe
249 <400> SEQUENCE: 20
250 caatctgggc tatgagatca a      21
252 <210> SEQ ID NO: 21
253 <211> LENGTH: 22
254 <212> TYPE: DNA
255 <213> ORGANISM: Artificial Sequence
257 <220> FEATURE:
258 <223> OTHER INFORMATION: Probe
260 <400> SEQUENCE: 21
261 caatctgggc tatgagatca gt      22
263 <210> SEQ ID NO: 22
264 <211> LENGTH: 60
265 <212> TYPE: DNA
266 <213> ORGANISM: Homo Sapien
268 <220> FEATURE:

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## RAW SEQUENCE LISTING

DATE: 06/06/2001

PATENT APPLICATION: US/09/687,483A

TIME: 11:09:02

Input Set : A:\Pto.amc

Output Set: C:\CRF3\06062001\I687483A.raw

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269 <223> OTHER INFORMATION: Probe
271 <400> SEQUENCE: 22
272 gtgccggcta ctcggatggc agcaaggact cctgcaaggg ggacagtgga ggcccacatg      60
274 <210> SEQ ID NO: 23
275 <211> LENGTH: 60
276 <212> TYPE: DNA
277 <213> ORGANISM: Homo sapien
279 <400> SEQUENCE: 23
280 ccacccta cccggggcacg tggtaacctga cgggcatcgt cagctggggc cagggctgcg      60
282 <210> SEQ ID NO: 24
283 <211> LENGTH: 42
284 <212> TYPE: DNA
285 <213> ORGANISM: Artificial Sequence
287 <220> FEATURE:
288 <223> OTHER INFORMATION: Oligonucleotide primer
290 <400> SEQUENCE: 24
291 cccagtcacg acgttgtaaa acgatggcag caaggactcc tg                          42
293 <210> SEQ ID NO: 25
294 <211> LENGTH: 18
295 <212> TYPE: DNA
296 <213> ORGANISM: Artificial Sequence
298 <220> FEATURE:
299 <223> OTHER INFORMATION: Oligonucleotide primer
301 <400> SEQUENCE: 25
302 cacatgccac ccactacc                                          18
304 <210> SEQ ID NO: 26
305 <211> LENGTH: 43
306 <212> TYPE: DNA
307 <213> ORGANISM: Artificial Sequence
309 <220> FEATURE:
310 <223> OTHER INFORMATION: Oligonucleotide primer
312 <400> SEQUENCE: 26
313 agcggataac aatttcacac aggtgacgat gcccgtcagg tac                      43
315 <210> SEQ ID NO: 27
316 <211> LENGTH: 15
317 <212> TYPE: DNA
318 <213> ORGANISM: Artificial Sequence
320 <220> FEATURE:
321 <223> OTHER INFORMATION: Probe
323 <400> SEQUENCE: 27
324 atgccacca ctacc                                          15
326 <210> SEQ ID NO: 28
327 <211> LENGTH: 19
328 <212> TYPE: DNA
329 <213> ORGANISM: Artificial Sequence
331 <220> FEATURE:
332 <223> OTHER INFORMATION: Probe
334 <400> SEQUENCE: 28
335 cacatgccac ccactaccg                                          19

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**VERIFICATION SUMMARY**

PATENT APPLICATION: US/09/687,483A

DATE: 06/06/2001

TIME: 11:09:03

Input Set : A:\Pto.amc

Output Set: C:\CRF3\06062001\I687483A.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number

1631

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/687,483A

DATE: 05/24/2001

TIME: 17:46:57

**Does Not Comply  
Corrected Diskette Needed**

Input Set : A:\2033seq.001

Output Set: C:\CRF3\05242001\I687483A.raw

3 <110> APPLICANT: Braun et al.  
5 <120> TITLE OF INVENTION: METHODS FOR GENERATING DATABASES AND DATABASES FOR  
IDENTIFYING  
6 POLYMORPHIC GENETIC MARKERS  
9 <130> FILE REFERENCE: 24736-2033  
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/687,483A  
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15 <151> PRIOR FILING DATE: 2000-07-10  
17 <150> PRIOR APPLICATION NUMBER: 60/159,176  
18 <151> PRIOR FILING DATE: 1999-10-13  
20 <150> PRIOR APPLICATION NUMBER: 60/217,251  
21 <151> PRIOR FILING DATE: 2000-07-10  
23 <150> PRIOR APPLICATION NUMBER: 09/663,968  
24 <151> PRIOR FILING DATE: 2000-09-19  
26 <160> NUMBER OF SEQ ID NOS: 118  
28 <170> SOFTWARE: FastSEQ for Windows Version 4.0

## ERRORED SEQUENCES

252 <210> SEQ ID NO: 21  
253 <211> LENGTH: 22  
254 <212> TYPE: DNA  
255 <213> ORGANISM: Artificial Sequence  
257 <220> FEATURE:  
258 <223> OTHER INFORMATION: Probe  
260 <400> SEQUENCE: 21  
E--> 261 caatctgggc tatgagatca gt

(20) 22



VERIFICATION SUMMARY

DATE: 05/24/2001

PATENT APPLICATION: US/09/687,483A

TIME: 17:46:59

Input Set : A:\2033seq.001

Output Set: C:\CRF3\05242001\I687483A.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number

L:261 M:254 E: No. of Bases conflict, LENGTH:Input:20 Counted:22 SEQ:21